

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-157981  
 (43)Date of publication of application : 30.05.2003

(51)Int.Cl. H05B 33/22  
 H05B 33/10  
 H05B 33/14

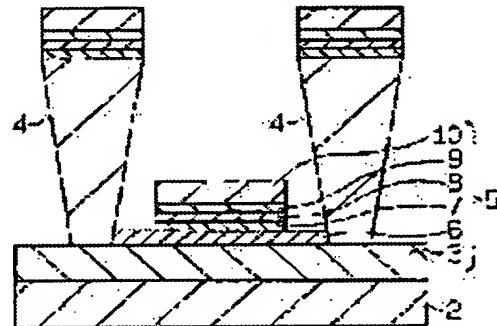
(21)Application number : 2001-357219 (71)Applicant : TOYOTA INDUSTRIES CORP  
 (22)Date of filing : 22.11.2001 (72)Inventor : YAMAMOTO ICHIRO  
 MURAZAKI TAKANORI

## (54) ORGANIC ELECTROLUMINESCENT DISPLAY PANEL, AND FORMING METHOD OF DOPANT LAYER OF THE SAME

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide an organic EL display panel which can be simply driven by low voltage, even if it is constructed so as to keep insulation between negative electrodes by forming barrier ribs like a passive drive panel.

SOLUTION: For the organic EL display panel, a plurality of positive electrodes 3 are formed into a shape of parallel stripes on a surface of a glass base board 2. The barrier ribs 4 are formed into a shape of parallel stripes crossing the positive electrode 3 at right angle on the glass base board 2 so that the barrier ribs 4 divide a space for forming an organic EL device 5. The organic EL device 5 comprises an electron-accepting dopant layer 6 made of low molecular substance, a hole transportation layer 7, a light emitting layer 8, and an electron injection layer 9, which are formed between the positive electrode 3 and a negative electrode 10 sequentially from positive electrode 3 side.



2-基板としてのガラス板 3-陽極 4-隔壁  
 5-有機EL素子 6-電子受容ドーパント層 7-空孔輸送層  
 8-発光層 9-電子注入層 10-陰極

## ) LEGAL STATUS

[Date of request for examination] 10.12.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]